Saurabh Badkas J059

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| optimizer | Train loss | Train acc | Val loss | Val acc | Test loss | Test acc |
| Baseline | 0.0113 | 0.9965 | 0.0969 | 0.9826 | 0.09693385870468303 | 0.9826 |
| SGD | 0.0015 | 0.9999 | 0.0866 | 0.9839 | 0.08662933583243125 | 0.9839 |
| RMSprop | 0.0045 | 0.9989 | 0.1394 | 0.9814 | 0.13942309332606936 | 0.9814 |
| Adarad | 8.1666e-04 | 1.0000 | 0.1318 | 0.9831 | 0.13176262205537417 | 0.9831 |
| Adadelta | 8.1023e-04 | 1.0000 | 0.1300 | 0.9834 | 0.13002279952004533 | 0.9834 |
| adam | 0.0138 | 0.9965 | 0.1024 | 0.9824 | 0.10238060498947689 | 0.9824 |
| adamax | 8.0733e-04 | 1.0000 | 0.1035 | 0.9851 | 0.10350186107017166 | 0.9851 |
| nadam | 0.0175 | 0.9959 | 0.1244 | 0.9784 | 0.12437288629929726 | 0.9784 |
|  |  |  |  |  |  |  |

**SGD:**

